

Publications (List of papers published in SCI Journals, in year wise descending order).

Journal Publications

Sl. No	Title with Page No.	Journal	ISSN/ ISBN	Whether Peer reviewed. Impact factor, if any	No. of Coauthors	Whether you are the main author	Impact Factor:
72	Thermodynamics of solute-solvent interactions and solubility of some amino acids in aqueous sodium iodide solutions at T= 298.15 K, Sanjay Roy* (2020, Accepted)	Russian Journal of Physical Chemistry A	ISSN 0036-0244	Peer Reviewed & Indexed	Sole Author	Sole Author	0.581
71	Solubility Data of Glycine in Water and Justification of literature Results; Arup Datta, Aslam Hossain, Partha Sarathi Guin, Sanjay Roy* 32(2020). (Accepted ON 03-03-2020)	Asian Journal of Chemistry	ISSN: 0975-427X (Online) ISSN: 0970-7077 (Print)	Peer Reviewed, & Scopus Indexed UGC listed Journal No-8774	3	Corresponding Author	0.45 H-index 31
70	Electrolytic effects on solubility and Gibbs free energies of 1,4-dihydroxy-9,10-anthraquinone in aqueous methanol media via UV-Vis spectroscopic and theoretical studies, 2020, Partha Sarathi Guin*, Sanjay Roy* Available online 28 February 2020, 137292, https://doi.org/10.1016/j.cplett.2020.137292	Chemical Physics Letters	ISSN 0009-2614	Peer Reviewed & Indexed Impact Factor: 1.686 (2017)	7	Co-corresponding Author	1.901
69	Solubility and peculiar thermodynamical behaviour of 2-aminobenzoic acid in aqueous binary solvent mixtures at 288.15 to 308.15 K, 302 (2020) 112566, Sk. Imran, Aslam Hossain, Kalachand Mahali, Partha Sarathi Guin, Arup Datta, Sanjay Roy*	Journal of Molecular Liquids	ISSN 0167-7322	Peer Reviewed & Indexed Impact Factor: 4.513 (2017)	6	Corresponding Author	4.561
68	Recent Progress and Approaches on Carbon-Free Energy from Water Splitting; Nano-Micro Lett. (2019) 11: 103, Aslam Hossain, K. Sakthipandi, A. K. M. Atique Ullah, Sanjay Roy	Nano Micro Letters		Peer Reviewed & Indexed in Web of Science & Scopus	3	Middle author	9.043
67	Electrolytic effect on the solubility and solvation thermodynamics of L-serine and L-isoleucine in aqueous media: J. Chem. Eng. Data 2019, 64, 10, 4286-4297, Saroj Chowdhury, Prasenjit Mandal, Aslam Hossain, Partha Sarathi Guin, Sanjay Roy,* and Kalachand Mahali	Journal of Chemical & Engineering Data (ACS publication)	ISSN 0021-9568	Peer Reviewed & Indexed in Web of Science & Scopus	5	Corresponding Author	2.298
66	Solubility analysis of homologous series of amino acids and solvation energetics in	Heliyon (Elsevier)	ISSN: 2405-8440	Peer Reviewed & Indexed in	4	Corresponding Author	1.650

	aqueous potassium sulfate solution: Heliyon, Volume 5, Issue 8, August 2019 , e02304 Aslam Hossain, Kalachand Mahali, Bijoy Krishna Dolui, Partha Sarathi Guin, Sanjay Roy*			Web of Science & Scopus			
65	An overview on Monosodium glutamate: its direct and indirect effects: 2019 ; 12(12): 6187-6192, Arup Datta, Aslam Hossain, Sanjay Roy*	Research Journal of Pharmacy and Technology	ISSN: 0974-360X(Online), 0974-3618(Print)	Peer Reviewed & Indexed in Scopus	2	Corresponding Author	H-index 14
64	An overview of La ₂ NiMnO ₆ double perovskites: synthesis, structure, properties and applications; J Sol-Gel Sci Technol (2019). https://doi.org/10.1007/s10971-019-05054-8 , Aslam Hossain, A. K. M. Atique Ullah, Partha Sarathi Guin and Sanjay Roy*	Journal of Sol-Gel Science and Technology	ISSN: 1573-4846 (Online) ISSN: 0928-0707(Print)	Peer Reviewed & Indexed	3	Corresponding Author	1.986
63	An Overview on Biofuels and Their Advantages and Disadvantages; Asian J. Chem. / 2019 / 31(8) / pp 1851-1858, Arup Datta, Aslam Hossain, Sanjay Roy*	Asian Journal of Chemistry	ISSN: 0975-427X (Online) ISSN: 0970-7077 (Print)	Peer Reviewed, & Scopus Indexed UGC listed Journal No-8774	2	Corresponding Author	0.45 H-index 31
62	A review on the Comparative Study of Different Biofuels, 6(2019)665-678 ; Arup Datta, Sanjay Roy	IJRAR	E-ISSN 2348-1269, P-ISSN 2349-5138	Peer Reviewed [UGC Approved J. No-43602, SL.No.2484]	1	Second Author	--
61	The external and internal influences on the tuning of the properties of perovskites: An overview, 45(2019) 4152-4166 , Aslam Hossain, Sanjay Roy , K. Sakthipandi*	Ceramics International	ISSN 0272-8842	Peer Reviewed & Indexed Impact Factor: 3.057 (2017)	3	Middle Author	3.450
60	Role of Solubility and Solvation Thermodynamics on the Stability of L-phenylalanine in Aqueous Methanol and Ethanol Solutions; 265(2018) 693-700 ; Sk. Imran, Aslam Hossain, Kalachand Mahali, Amit Saha Roy, Partha Sarathi Guin, Sanjay Roy*	Journal of Molecular Liquids	ISSN 0167-7322	Peer Reviewed & Indexed Impact Factor: 4.513 (2017)	6	Corresponding Author	4.561
59	Solubility and Thermodynamics of Solute-Solvent Interactions of Some Amino Acids in Aqueous Sodium Bromide and Potassium Bromide Solutions; 63(2018)534-541 Partha Sarathi Guin, Kalachand Mahali, Bijoy Krishna Dolui, and Sanjay Roy*	Journal of Chemical & Engineering Data (ACS publication)	ISSN 0021-9568	Peer Reviewed & Indexed Impact Factor: 2.196 (2017)	4	Corresponding Author	2.298
58	Solubility and transfer solvation thermodynamics of L-isoleucine and L-serine in water to aqueous solution of Na ₂ SO ₄ and K ₂ SO ₄ from 288.15 K to 303.15 K; 706(2018)432-439 ; S. Chowdhury, P. Mandal, Md. Sarikul Islam,	Chemical Physics Letters	ISSN 0009-2614	Peer Reviewed & Indexed Impact Factor: 1.686 (2017)	7	Co-corresponding Author	1.901

	A. Hossain, P.S. Guin, Sanjay Roy* , Kalachand Mahali*						
57	Effect of Electrolytes on the Solubility and Solution thermodynamics of 1-Amino-4-Hydroxy-9,10-Anthraquinone, an Analogue of Anthracycline Anticancer Drugs, in Aqueous Ethanol Media Using Theoretical and UV-Vis Spectroscopic Study; 252 (2018) 151-157; Sk. Imran, Aslam Hossain Sujay Parui, Partha Sarathi Sengupta, Sanjay Roy* , Partha Sarathi Guin	Journal of Molecular Liquids	ISSN 0167-7322	Peer Reviewed & Indexed Impact Factor: 4.513 (2017)	6	Co-corresponding Author	4.561
56	Correction to "amino acid solubility under the influence of NaCl at 298.15 K"; 252 (2018) 144, Sanjay Roy , Partha Sarathi Guin, Kalachand Mahali, Bijoy Krishna Dolui	Journal of Molecular Liquids	ISSN 0167-7322	Peer Reviewed & Indexed Impact Factor: 4.513 (2017)	4	First Author	4.561
55	Solubility and solute-solvent interactions of DL-alanine and DL-serine in aqueous potassium nitrate solutions; 249 (2018) 1133–1137; Aslam Hossain, Sanjay Roy*	Journal of Molecular Liquids	ISSN 0167-7322	Peer Reviewed & Indexed Impact Factor: 4.513 (2017)	2	Corresponding Author	4.561
54	Electrochemical and UV–Vis spectroscopic studies on the interaction of sodium 1,4-dihydroxy-9,10-anthraquinone-2-sulphonate with cetyltrimethylammonium bromide micelles; 694(2018)7-13; Sanjay Roy , Partha Sarathi Sengupta, Partha Sarathi Guin	Chemical Physics Letters	ISSN 0009-2614	Peer Reviewed & Indexed Impact Factor: 1.686 (2017)	3	First Author	1.901
53	Review An overview of double perovskites $A_2B'B''O_6$ with small ions at A site: Synthesis, structure and magnetic properties; 740(2018) 414-427; Aslam Hossain, Prasanta Bandyopadhyay, Sanjay Roy*	Journal of Alloys and Compounds	ISSN 0925-8388	Peer Reviewed & Indexed Impact Factor: 3.779 (2017)	3	Corresponding Author	4.175
52	Evaluation and correlation of solubility and solvation energetics of DL-phenylalanine and DL-serine in water and aqueous ethylene glycol solutions; 249(2018) 659–665; Srabani Ghosh, Samiran Mondal, Sanjay Roy* , Soumen Saha, Dushila Subba, Bijoy Krishna Dolui*	Journal of Molecular Liquids	ISSN 0167-7322	Peer Reviewed & Indexed Impact Factor: 4.513 (2017)	6	Co-Corresponding Author	4.561
51	Solvation Thermodynamics of DL-Phenylalanine in Aqueous $NaNO_3$ Solution at 298.15 K; 92(2018)734-738; Sanjay Roy , Samiran Mondal, and Bijoy Krishna Dolui	Russian Journal of Physical Chemistry A	ISSN 0036-0244	Peer Reviewed & Indexed Impact Factor: 0.549 (2017)	3	First Author	0.581
50	Evaluation and correlation of Solubility and Solvation Thermodynamics of Glycine, DL-alanine and DL-valine in Aqueous Sodiumsulphate Solutions at two different temperatures; 234(2017)124-128; Sanjay Roy* , Partha Sarathi Guin, Kalachand Mahali, Aslam Hossain, Bijoy Krishna Dolui	Journal of Molecular Liquids	ISSN 0167-7322	Peer Reviewed & Indexed Impact Factor: 4.513 (2017)	5	Corresponding Author & First Author	4.561
49	Model studies on the interactions of a Cu(II)-quinone complex with surfactant micelles and DNA explore its induction of apoptosis in human MDA-MB-231 breast adenocarcinoma cells; 70(2017)2128-2147; Sanjay Roy , Gayathri Loganathan, Dhanasekaran Dharumadurai, Mohammad A. Akbarsha, Partha Sarathi Guin	Journal of Coordination Chemistry	ISSN 0095-8972	Peer Reviewed & Indexed Impact Factor: 1.703 (2017)	5	First Author	1.703

48	Recent Developed Different Structural Nanomaterials and Their Performance for Supercapacitor Application; 9 (2017) 300–313, Aslam Hossain, Prasanta Bandyopadhyay, Partha Sarathi Guin, Sanjay Roy*	Applied Material Today	ISSN 2352-9407	Peer Reviewed & Indexed Cite factor 9.90 (2017)	4	Corresponding Author	8.013
47	Effects of Thermodynamics on the Solvation of Amino Acids in the Pure and Binary Mixtures of Solutions: A Review; 232(2017)332-350; Aslam Hossain, Sanjay Roy , Bijoy Krishna Dolui	Journal of Molecular Liquids	ISSN 0167-7322	Peer Reviewed & Indexed Impact Factor: 4.513 (2017)	3	Middle Author	4.561
46	A Piece of Writing: Future Prospect of Biofuels; 8(2017) 49-52; Sanjay Roy	Journal of Biofuels [Indianjournals.com]	ISSN 0976-3015	Peer Reviewed & Indexed (UGC-APPROVED ICI index, Sr. No-14819)	Sole Author	Sole Author	---
45	A Soluble Cu(II) Complex of Sodium 1,4-Dihydroxy-9,10-Anthraquinone-2-Sulphonate Electrocatalyzes Water Oxidation with a Large Turn over Frequency; 77(2017)39-60; Sanjay Roy , Partha Sarathi Guin	ECS Transactions The Electrochemical Society	ISSN 1938-6737	Peer Reviewed & Indexed H-INDEX - 41	2	First Author	0.46
44	Solubility and transfer Gibbs free energetics of glycine, DL-alanine, DL-nor-valine and DL-serine in aqueous sodium fluoride and potassium fluoride solutions at 298.15 K; 56A (2017) 399-406; Sanjay Roy* , Partha Sarathi Guin, Kalachand Mahali & Bijoy Krishna Dolui	Indian Journal of Chemistry	ISSN: 0376-4710	Peer Reviewed & Indexed Impact Factor: 0.566 (2017)	4	Co-Corresponding Author & First Author	0.483
43	Solubility and solute–solvent interaction phenomenon of succinic acid in aqueous ethanol mixtures; 229(2017)172-177; Kalachand Mahali, Partha Sarathi Guin, Sanjay Roy* &, Bijoy Krishna Dolui*	Journal of Molecular Liquids	ISSN 0167-7322	Peer Reviewed & Indexed Impact Factor: 4.513 (2017)	4	Co-Corresponding Author	4.561
42	Solvation thermodynamics of L-cystine, L-tyrosine and L-leucine in aqueous-electrolyte; 91(2017)2397–2403; Sanjay Roy* , Partha Sarathi Guin, Kalachand Mahali & Bijoy Krishna Dolui	Russian Journal of Physical Chemistry A	ISSN 0036-0244	Peer Reviewed & Indexed Impact Factor: 0.549 (2017)	4	Corresponding Author & First Author	0.581
41	The Importance of Advance Biomaterials in Modern Technology: A Review; 10(4)(2017)1-13; Aslam Hossain, Sanjay Roy , Partha Sarathi Guin	Asian J. Research Chem.	ISSN 0974-4169	Peer Reviewed & Indexed ICI index	3	Middle Author	--
40	Comparative Study on Solubility of Glycine, DL-alanine, DL-nor-valine and DL-serine in Aqueous Solutions of NaF and KF at 298.15 K; 219(2016) 815–819; Sanjay Roy , Kalachand Mahali & Bijoy Krishna Dolui	Journal of Molecular Liquids	ISSN 0167-7322	Peer Reviewed & Indexed Impact Factor: 4.513 (2017)	3	Co-Corresponding and First Author	4.561
39	Role of Electrolytes in the Solubility of L-proline and Its Transfer Free Energetics; 223(2017) 927–933; Sanjay Roy* , Partha	Journal of Molecular Liquids	ISSN 0167-7322	Peer Reviewed & Indexed	4	Corresponding Author	4.561

	Sarathi Guin, Kalachand Mahali, Bijoy Krishna Dolui			Impact Factor: 4.513 (2017)		&First Author	
38	Solubility of glycine and DL-nor-valine in aqueous solutions of NaNO ₃ and KNO ₃ and measurements of transfer thermodynamics;222(2016)313-319; Sanjay Roy , Partha Sarathi Guin, Samiran Mondal, Srabani Ghosh, Bijoy Krishna Dolui	Journal of Molecular Liquids	ISSN 0167-7322	Peer Reviewed & Indexed Impact Factor: 4.513 (2017)	5	Corresponding Author &First Author	4.561
37	Thermodynamics of DL- α -Amino butyric acid Induced Solvation Mechanism in Aqueous KCl Solutions at 288.15-308.15 K; 90(2016) 1798–1805; S. Mondal , S. Ghosh , A. Hossain , K. Mahali, Sanjay Roy *, & B. K. Dolui	Russian Journal of Physical Chemistry A	ISSN 0036-0244	Peer Reviewed & Indexed Impact Factor: 0.549 (2017)	6	Co-Corresponding Author	0.581
36	Solubility and Chemical Thermodynamics of DL-Alanine and DL-Serine in Aqueous NaCl and KCl Solutions;61(2016)132-141; Sanjay Roy , Aslam Hossain, Bijoy Krishna Dolui	Journal of Chemical & Engineering Data (ACS publication)	ISSN 0021-9568	Peer Reviewed & Indexed Impact Factor: 2.196 (2017)	3	First Author	2.298
35	Studies on the interaction of 2-amino-3-hydroxy-anthraquinone with surfactant micelles reveal its nucleation in human MDA-MB-231 breast adenocarcinoma cells; 6(2016) 28200–28212; Amit Das, Sanjay Roy , Palash Mondal, Arup Datta, Kalachand Mahali, Gayathri Loganathan, Dhanasekaran Dharumadurai, Partha Sarathi Sengupta, Mohammad Abdulkadher Akbarsha and Partha Sarathi Guin	RSC Advances	ISSN 2046-2069	Peer Reviewed & Indexed Impact Factor: 2.936 (2017)	11	Second Author	3.049
34	Amino acid solubility under the influence of NaCl at 298.15 K; 218(2016)316–318; Sanjay Roy , Partha Sarathi Guin , Kalachand Mahali, Bijoy Krishna Dolui	Journal of Molecular Liquids	ISSN 0167-7322	Peer Reviewed & Indexed Impact Factor: 4.513 (2017)	4	First Author	4.561
33	Spectroscopic, computational and electrochemical studies on 2-(4-nitrophenyl)-1H-benzo[d]imidazole and its interaction with cationic surfactant cetyltrimethylammonium bromide; 219(2016) 1058-1064; Arup Datta , Sanjay Roy , Palash Mondal, Partha Sarathi Guin	Journal of Molecular Liquids	ISSN 0167-7322	Peer Reviewed & Indexed Impact Factor: 4.513 (2017)	4	Second Author	4.561
32	Chemical Transfer Energetics of a Series of Homologous α - Amino Acids in Quasi-Aprotic 2-Methoxyethanol-Water Mixtures; 45 (2016) 574-590; Sanjay Roy , Kalachand Mahali, Bijoy K. Dolui	Journal of Solution Chemistry	ISSN 0095-9782	Peer Reviewed & Indexed Impact Factor: 1.401 (2017)	3	First Author	1.039
31	The chemical stability of L-isoleucine, L-threonine and L-serine in aqueous solutions of KCl at 298.15 K; 90(2016) 1175–1180; Sanjay Roy & Bijoy Krishna Dolui	Russian Journal of Physical Chemistry A	ISSN 0036-0244	Peer Reviewed & Indexed Impact Factor: 0.549 (2017)	2	First Author	0.581
30	Preliminary Review on Solvation Chemistry in Aqueous Solvents: Application to Amino Acids. 11(2016)103-122; Sanjay Roy & Bijoy Krishna Dolui	Phys Chem Indian Journal	ISSN 0974-7524	Peer Reviewed (UGC APPROVE D: J. NO. 48319)	2	Corresponding Author &First Author	--

29	A Co(II) complex of a vitamer of vitamin B6 acts as a sensor for Hg ²⁺ and pH in aqueous media; 40 (2016) 6396–6404; Nilam Sing, Sanjay Roy , Partha Sarathi Guin, Kalachand Mahali, Prakash Majee, Sudip Kumar Mondal, Partha Mahata, Partha Sarathi Sengupta and Palash Mondal	New Journal of Chemistry	ISSN 1144-0546	Peer Reviewed & Indexed Impact Factor: 3.201 (2017)	9	Second Author	3.201
28	Study of the Solubility and Transfer Thermodynamics of D,L-Phenylalanine in Aqueous Sodium Chloride and D,L-Serine in Aqueous Sodium Nitrate Solutions; 45(2016) 1755-1772; Samiran Mondal, Sanjay Roy* , Srabani Ghosh, Kalachand Mahali, Bijoy Krishna Dolui	Journal of Solution Chemistry	ISSN 0095-9782	Peer Reviewed & Indexed Impact Factor: 1.401 (2017)	5	Co-Corresponding Author	1.039
27	Design of a mononuclear copper(II)-phenanthroline complex: Catechol oxidation, DNA cleavage and antitumor properties; 106(2016) 106-114; Dhananjay Dey, Subrata Das, Hare Ram Yadav, Anandan Ranjani, Loganathan Gyathri, Sanjay Roy, Partha Sarathi Guin, Dharumadurai Dhanasekaran, Angshuman Roy Choudhury, Mohammad Abdulkader Akbarsha, Bhaskar Biswas	Polyhedron	ISSN 0277-5387	Peer Reviewed & Indexed Impact Factor: 2.067 (2017)	11	Middle Author	2.284
26	Chemistry in our daily life: Preliminary information; 2(3) (2016) 361-366; Sanjay Roy	International Journal of Home Science	ISSN: 2395-7476	Peer Reviewed & Indexed	1	Sole Author	--
25	Spectroscopic, computational and electrochemical studies on the formation of the copper complex of 1-amino-4-hydroxy-9,10-anthraquinone and effect of it on superoxide formation by NADH; 44(2015) 5428–5440; Sanjay Roy, Palash Mondal, Partha Sarathi Sengupta, Debasis Dhak, Ramesh Chandra Santra, Saurabh Das and Partha Sarathi Guin	Dalton Transaction	ISSN: 1477-9226	Peer Reviewed & Indexed Impact Factor: 4.099 (2017)	7	First Author	4.052
24	Solvation of 1-Amino-4-Hydroxy-9, 10-Anthraquinone Governs Its Electrochemical Behavior in Non-Aqueous and Aqueous Media: A Cyclic Voltammetry Study; 162(2015) H124-H131; Sanjay Roy, Partha Sarathi Guin	Journal of The Electrochemical Society	ISSN 0013-4651	Peer Reviewed & Indexed Impact Factor: 3.48 (2017)	2	First Author	3.662
23	Investigation on the interaction of 1-amino-4-hydroxy-9, 10-anthraquinone with calf thymus DNA and CTAB micelles; 211(2015) 846-853; Sanjay Roy, Partha Sarathi Guin	Journal of Molecular Liquids	ISSN 0167-7322	Peer Reviewed & Indexed Impact Factor: 4.513 (2017)	2	First Author	4.561
22	1-Amino-4-hydroxy-9,10-anthraquinone–An analogue of anthracycline anticancer drugs, interacts with DNA and induces apoptosis in human MDA-MB-231 breast adenocarcinoma cells: Evaluation of structure–activity relationship using computational, spectroscopic and biochemical studies.; 4(2015)312-323; Palash Mondal ¹ , Sanjay Roy ¹ , Gayathri Loganathan, Bitapi Mandal, Dhanasekaran Dharumadurai, Mohammad A. Akbarsha, Partha Sarathi Sengupta, Shouvik Chattopadhyay, Partha Sarathi Guin	Biochemistry and Biophysics Reports	ISSN 2405-5808	Peer Reviewed & Indexed Cite Score: 0.93	9	First Author	1.58
21	Physico-Chemical Studies of DL-Alanine in	Russian	ISSN	Peer	5	First	0.643

	Aqueous Sodium Nitrate Solution; 85(2015) 162-167; Sanjay Roy, K. Mahali, S. Mondal, R. P. Mondal, B. K. Dolui	Journal of General Chemistry	1070-3632	Reviewed & Indexed Impact Factor: 0.55 (2017)		Author	
20	Solubility and solvation thermodynamics of DL-nor- valine in aqueous solutions of NaCl and KCl;211(2015) 294-300; Sanjay Roy, Partha Sarathi Guin, Bijoy K. Dolui	Journal of Molecular Liquids	ISSN 0167-7322	Peer Reviewed & Indexed Impact Factor: 4.513 (2017)	3	First Author	4.561
19	Solubility and Solvation thermodynamics of a series of homologous α -amino acids in non-aqueous binary mixtures of Ethylene glycol and Dimethylsulfoxide; 60 (2015) 1233-1241; Kalachand Mahali, Sanjay Roy, Bijoy Krishna Dolui	Journal of Chemical & Engineering Data (ACS publication)	ISSN 0021-9568	Peer Reviewed & Indexed Impact Factor: 2.196 (2017)	3	Middle Author	2.298
18	Solubility of DL-Serine and DL-Phenylalanine in Aqueous Mixtures of Dimethyl Sulfoxide and Solvation Thermodynamics; 5(2015) 69839–69847; Aslam Hossain, Sanjay Roy, Srabony Ghosh, Samiran Monda, Bijoy Krishna Dolui	RSC Advances	ISSN 2046-2069	Peer Reviewed & Indexed Impact Factor: 2.936 (2017)	5	Second Author	3.045
17	Thermodynamics of DL-alanine Solvation in Water-dimethylsulfoxide Mixtures at 298.15 K; 89(2015) 654–662; Sanjay Roy, Kalachand Mahali, Samiran Mondal, Bijoy K. Dolui	Russian Journal of Physical Chemistry A	ISSN 0036-0244	Peer Reviewed & Indexed Impact Factor: 0.549 (2017)	4	First Author	0.581
16	Solubility of α -amino butyric acid in water- NaNO_3 mixture and analysis of related thermodynamic parameters; 15(2015) 65-73; Sanjay Roy, K. Mahali, S. Pal, S. Mondal, B.K.Dolui	Analytical Chemistry: An Indian Journal	ISSN 0974-7419	Peer Reviewed (UGC APPROVE D: J. NO. 48295)	5	First Author	--
15	Thermodynamics and Mechanisms of Glycine Solvation in Aqueous NaCl and KCl Solutions at 298.15 K; 89(2015) 2111-2119; Sanjay Roy, Aslam Hossain, Kalachand Mahali, and Bijoy K. Dolui	Russian Journal of Physical Chemistry A	ISSN 0036-0244	Peer Reviewed & Indexed Impact Factor: 0.549 (2017)	4	First Author	0.581
14	Thermodynamics of solvation of DL- α -amino butyric acid in aqueous dimethyl sulfoxide at 298.15 K; 9(2015) 273-282; S. Roy, K. Mahali, S. Mondal, B.K. Dolui	Physical Chemistry: An Indian Journal	ISSN 0974-7524	Peer Reviewed (UGC APPROVE D: J. NO. 48319)	4	First Author	--
13	Thermodynamics of solvation of DL- α -amino butyric acid in aqueous dimethyl sulfoxide at 298.15 K; 9(8), (2014)273-282; S. Roy, K. Mahali, S. Mondal, B.K. Dolui	Physical Chemistry: An Indian Journal	ISSN 0974-7524	Peer Reviewed (UGC APPROVE D: J. NO. 48319)	4	First Author	--
12	“Transfer free energies for solvation of amino acid L-Histidine in aqueous mixtures of Protic Glycerol at 298.15 K”. S. Roy, K.Mahali & B. K. Dolui., Vol. 3(2), 2014, [470-476].	Int. J. Chem. Pharm. Res.	ISSN-2319-1716	Peer Reviewed	3	First Author	--
11	“Role of Glycine as a ‘3D-structure’ maker in aqueous mixture of protophilic dipolar aprotic Dimethyl Sulphoxide. S. Roy, K. Mahali, S. Mondal, B. K. Dolui, 2014, 6(5):780-790.	Journal of Chemical and Pharmaceutical Research	ISSN-0975-7384	Peer Reviewed & Indexed (Scopus)	4	First Author	--
10	“Thermodynamic Studies Related to the Solvation	. Int. J.	ISSN:	Peer	4	First	--

	Chemistry of DL- α -Amino butyric Acid in Aqueous Solution of Sodium chloride' S. Roy , K. Mahali, M.Murmu & B. K. Dolui2014, 3(4), 29-42.	Chem. Phys. Sci.	2192-6506	Reviewed & Indexed		Author	
9	'Solvation Chemistry of DL-Nor-Valine in Aqueous Mixture of Dipolar aprotic N, N-Dimethyl-formamide' K. Mahali, S. Roy , B. K. Dolui., 2014, 61, 659-664.	Journal of Chinese Chemical Society.	ISSN: 2192-6549	Peer Reviewed & Indexed Impact Factor: 0.87(2017)	3	Middle Author	1.188
8	"Solvation mechanism of DL-nor-Valine in aqueous mixtures of protophilic dipolar aprotic Dimethylsulfoxide' Sanjay Roy , K. Mahali, B. K. Dolui., Vol-5(1), 2014 [11-19].	Int. J. Chem. Pharm. Sci	ISSN-0976-9390	Peer Reviewed	3	First Author	--
7	"Comparative chemical transfer Gibbs free energy related to solvation of amino acid, L-Histidine in aqueous mixtures of N, N-Dimethylformamide and Protic Glycerol at 298.15 K. S. Roy , K. Mahali, B. K. Dolui2014, 2(7): 953-960.	Int. J. Chemist. Pharm. Sci.	ISSN-2321-3132	Peer Reviewed	4	First Author	--
6	"Thermodynamic Solvation of α -Amino Butyric Acid in Aqueous Mixture of Dipolar Aprotic N, N-Dimethyl formamide; S. Roy , K. Mahali, S. Akhter, & B. K. Dolui., , vol-25, No-12, 2013 [6661-6665]	Asian Journal of Chemistry	ISSN 0975-427X	Peer Reviewed & Indexed Impact Factor: 0.45(2016)	3	First Author	0.45
5	"Solvation Thermodynamics of a Series of Homologous α - Amino Acids in Non-aqueous Binary Mixtures of Protic Ethylene Glycol and Dipolar Aprotic Acetonitrile ; K. Mahali, S. Roy, B. K. Dolui., Vol-42, No-5, 2013 [1096-1110].	Journal of Solution Chemistry	ISSN 0095-9782	Peer Reviewed & Indexed Impact Factor: 1.401 (2017)	3	Middle Author	1.039
4	"Thermodynamic interactions due to transfer of amino Acids, glycine and dl-alanine in aqueous mixture of cationophilic dipolar aprotic N, N-dimethyl formamide; S. Roy, K. Mahali, & B. K. Dolui., vol-25, No-12, 2013 [8037-8042]	Asian journal of chemistry	ISSN Online: 0975-427X	Peer Reviewed & Indexed Impact Factor: 0.45	3	First Author	0.45
3	"Thermodynamic Solvation of a Series of Homologous α - Amino Acids in Aqueous Mixtures of 1, 2-Dimethoxymethane; S. Roy, K. Mahali, B. K. DoluiVol-42, No-7, 2013 [1472-1487]." 1702-1710.	Journal of Solution Chemistry	ISSN 0095-9782	Peer Reviewed & Indexed Impact Factor: 1.401 (2017)	3	First Author	1.039
2	"Thermodynamic solvation of a Series of Homologous α -Amino Acids in Non-aqueous Mixture of Ethylene Glycol and N, N-Dimethyl formamide'; K. Mahali, S. Roy, B. K. Dolui., Vol-2, No-3, 2011 [185-193].	Journal of Biophysical Chemistry	ISSN 2153-0378	Peer Reviewed & Indexed	3	Middle Author	--
1	"Transfer Entropies of a Series of Homologous α - Amino Acids in Aqueous Mixtures of Protic Ethylene Glycol'; S. Roy, K. Mahali, B. K. Dolui., 4(2), 2010 [71-76].	Biochemistry: An Indian Journal.	ISSN: 0974-7427	Peer Reviewed & Indexed	3	First Author	--

Books Publications

SL. No.	Title	Author's Name	Publisher	Year of Publication	Whether you are the main author
1	Solvation of Some α-amino Acids in Aquo organic Binary Solvents ISBN 13: 978-3-659-95921-9; ISBN 10:3659959219; EAN:9783659959219	Sanjay Roy	LAP LAMBERT Academic Publishing, OmniScriptum AraPers GmbH Bahnhofstraße 28, D-66111 Saarbrücken, Germany	2016	Sole Author
2	Chemistry in Everyday's life ISBN-13:978-3-330-01994-2; ISBN-10:3330019948; EAN: 9783330019942	Sanjay Roy, Partha Sarathi Guin	LAP LAMBERT Academic Publishing, OmniScriptum AraPers GmbH Bahnhofstraße 28, D-66111 Saarbrücken, Germany	2016	First Author
3	Chemistry of Water: Cradle of Life ISBN-13: 978-3330058293; ISBN-10: 3330058293; EAN: 9783330058293	Dr. Sanjay Roy, Dr. Partha Sarathi Guin and Aslam Hossain	LAP LAMBERT Academic Publishing, OmniScriptum AraPers GmbH Bahnhofstraße 28, D-66111 Saarbrücken, Germany	2017	First Author
4	Higher Secondary Chemistry Books Volume I (Class XI)	Dr. Partha Sarathi Guin, Dr. Sanjay Roy , Sandipan Mondal, Md. Jahir Middey, Dr. Koninika Karmakar	Board of Rabindra Mukta Vidhyalaya, Government of West Bengal.	2018	2 ND Author
5	Higher Secondary Chemistry Books Volume II (Class XII)	Dr. Partha Sarathi Guin, Dr. Sanjay Roy , Sandipan Mondal, Md. Jahir Middey, Dr. Koninika Karmakar	Board of Rabindra Mukta Vidhyalaya, Government of West Bengal.	2018	2 ND Author

Papers presented in Conferences, Seminars, Workshops, Symposia

Sl. No	Title of the paper presented	Title of Conference/ Seminar	Organized by	Whether International/ National/State/ Regional/College or University level
1.	“Quaternization of poly (4-vinyl pyridine) for pre-concentration and separation of Cr (vi) from environmental samples”	UGC-sponsored national seminar on ‘Water pollution and its recent challenges’	Department of chemistry, S.K.M university, Dumka, India	National
2.	“Chemical transfer energetics of a series of Homologous α -amino acids in non-aqueous mixture of protic ethylene glycol and dipolar aprotic N,N-dimethylformamide”	Chemical Research society of India, Eastern Zonal meeting, 2011 and Celebration of the International year of Chemistry, 2011	Department of Chemistry ,NBU	National
3.	“Chemical transfer energetic of a series of homologous α -amino acids in 2-methoxyethanol +water mixtures”	IXth CRSI (KOLKATA CHAPTER) symposium on Chemical research in the first decade of 21st century(2011),	Dept. of chemistry Visva-Bharati, Santiniketan.	National
4.	“Studies of electrochemical behavior of 1-amino-4-hydroxy-9, 10-anthraquinone in non-aqueous and aqueous media: By cyclic voltammetry”	National Conference on Chemistry for Better tomorrow current Trends and Opportunity” CBT-2014	Sidho Kanho Birsha University	National
5	‘Stabilization of α -amino butyric acid in aqueous mixture of dipolar aprotic N,N-dimethyl formamide’, p-15; K. Mahali, S.Roy, B.K. Dolui	National Seminar on Social Function of Science and The Celebration of 150th Birth Anniversary of Swami Vivekananda ,2013	Department of Chemistry , Jadavpur University.	National
6	Thermodynamic solvation of α -amino butyric acid in aqueous mixture of protophilic dipolar aprotic N, N-dimethyl formamide’, p-9; K. Mahali, S. Roy and B. K. Dolui	UGC-Sponsored Two-Day NATIONAL SEMINAR on RELATING UG LEVEL CHEMISTRY TO CURRENT ADVANCES	Department of Chemistry , Krishnagar Women’s College, Krishnagar, India (2013).	National
7	Thermodynamic solvation of a series of homologous A-amino acids in non-aqueous binary mixtures of protic ethylene glycol and protophilic dipolar aprotic Dimethyl sulfoxide, Op-06, K. Mahali, S. Roy and B. K. Dolui,	5th Asian Conference on Colloid and Interface Science, Organized by Asian Society for Colloid and Surface Science	ASCASS, and Department of Chemistry, University of North Bengal, Darjeeling, W.B, India 2013.	International
8	Thermodynamic solvation of DL-Nor-Valine in H ₂ O + DMSO mixture’, PHY(PP)-18; K. Mahali, S. Roy and B. K. Dolui	50th Annual Convention of Chemists	Department of Chemistry , Panjab University, Chandigarh, and Indian Chemical Society , India (2013).	International

Impact Factor Summary of Article publications

Journal Name	No. of Article (s)	Total Impact as 2018
Applied Material Today	01	8.013
Nano Micro Letters	01	9.043
Dalton Transaction	01	4.052
Journal of Molecular Liquids	16	4.561*16= 72.98
Journal of Chemical &Engineering Data (ACS publication)	04	2.298*4 =9.192
Chemical Physics Letter	03	1.901*3 =5.703
Journal of Electrochemical Society	01	3.120
Ceramic International	01	3.450
Journal of alloy and compounds	01	4.175
New Journal of Chemistry	01	3.069
RSC Advance	02	3.049*2=6.098
Polyhedron	01	2.284
Journal of Sol-gel Science and Technology	01	1.986
Journal of Chinese Chemical Society	01	1.188
Journal of Solution Chemistry	04	1.039*4 = 4.156
Russian Journal of Physical Chemistry	06	0.581*6 = 3.486
Indian Journal of Chemistry Section A	01	0.483
Russian Journal of General Chemistry	01	0.643
Heliyon	01	1.650
Asian journal of Chemistry	04	0.45 * 4 = 1.8
ECS Transactions The Electrochemical Society	01	0.46
Biochemistry and Biophysics Reports	01	1.65
		148.03

Google Scholar citation: 642;

H-index: 16;

ResearchGate Score: 31.55;

Total Impact Factors: 148.03]

Website: <https://sites.google.com/site/drsanjayroyshibpurdbccollege/home>

https://www.researchgate.net/profile/Sanjay_Roy4

<https://orcid.org/0000-0001-6841-4961>